

Estimating the Economic Impact of Secondhand Smoke on Indiana in 2010

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Secondhand smoke costs Indiana \$1.3 billion dollars¹ in excess medical expenses and premature loss of life, or about \$201 dollars per person each year. The burden of these expenses is assumed by businesses, government, and individual citizens.

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| Overall costs of attributed to secondhand smoke for Indiana residents in 2010 = \$1.3 billion dollars |
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| Secondhand smoke health care costs Indiana \$201 dollars per person each year. |
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Exposure to secondhand smoke causes many medical conditions in adults, including lung cancer, nasal sinus cancer, breast cancer, cervical cancer, ischemic heart disease, stroke, eye and nasal irritation, spontaneous abortions and asthma. In addition, other studies have suggested that exposure to secondhand smoke may be causally associated with adult leukemia, angina pectoris (severe chest pain), hearing loss, allergies, periodontal disease, dysmenorrhea (severe pelvic pain during menstruation), colds, pneumonia, meningitis, macular degeneration, congestive heart failure and cardiac arrhythmia.

Scientific evidence confirms that there is no safe, risk-free level of exposure to secondhand smoke.

Exposure of children to secondhand smoke has been linked to low birth weight, sudden infant death syndrome, respiratory syncytial virus bronchiolitis (RSV), asthma exacerbations, otitis media (middle ear infections), chronic respiratory symptoms, cystic fibrosis exacerbation, allergies, meningitis, loss of hearing and cognitive behavioral impairment. In addition, many adults and children are injured in fires started by smoking.

At least 1,426 adults, children and infants in Indiana died in 2008 from diseases definitively tied to secondhand smoke by the US Surgeon General (not including approximately 45 spontaneous abortions). These lives lost are entirely preventable.

¹ Based on data from 2008 death data and 2010 hospital discharges, reported in 2010 dollars.

**Total Health Care and Loss of Life Costs for Selected SHS Related Conditions
Indiana, 2010**

Adults

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|-------------------------------|---------------|------------------------|
| Total Hospitalization Costs | \$237,805,414 | |
| Total Loss of Life Costs | \$878,969,396 | |
| Total Costs for Adults | | \$1,116,774,810 |

Children

| | | |
|---------------------------------|--------------|----------------------|
| Total Health Care Costs | \$89,392,911 | |
| Total Loss of Life Costs | \$98,629,666 | |
| Total Costs for Children | | \$188,022,577 |

Total Costs for Adults and Children **\$1,304,797,387**

Population of Indiana, 2010¹ 6,483,802

Total per Capita Costs **\$201.24**

Citation: Zollinger, T., Saywell, R., Lewis, C. Estimating the Economic Impact of Secondhand Smoke on Indiana in 2010. Bowen Research Center – Indiana University School of Medicine, January 2012.

The full study can be found at: www.in.gov/isdh/tpc on the Evaluation and Research: Key Reports and Research Articles page.